

Claims:

1. A method for activating a location-based function, comprising  
determining at least one item of position data for the function as a  
5 condition for starting the function, using the device in a wireless  
communication network in which signals are transmitted, and  
monitoring in the device at least one property of the wireless  
communication network to decide whether positioning of the device is  
conducted.
- 10 2. The method according to claim 1, wherein the wireless  
communication network is composed of areas for which an identifier is  
determined, wherein identifiers of the areas are used as a property to  
be monitored, and that the positioning of the device is conducted when  
15 the identifier of the area changes.
3. The method according to claim 2, wherein on the basis of the  
position data determined in the function, such identifiers are de-  
termined in an area of which the position data is located, and that when  
20 the identifier changes, it is examined whether a position data de-  
termined for a function is in the area of the new identifier and that the  
positioning is conducted if said position data is located in the area of  
the new identifier.
- 25 4. The method according to claim 2, wherein the communication  
network contains base stations for each of which a cell identifier is  
determined, and that the cell identifier is used as the identifier of said  
area.
- 30 5. The method according to claim 4, wherein at least one base  
station is used as a serving base station for the device at a time and  
that a decision on performing the positioning is made when the serving  
base station changes.
- 35 6. The method according to claim 4, wherein in the device signals  
of several base stations are listened to and cell identifiers are

determined from signals received from the base stations, wherein the decision on performing the positioning is made when a new cell identifier is detected in the received signals.

5     7.     The method according to claim 1, wherein the property subject to  
said monitoring is signal strength of a base station, and that in the  
device the signal strength of at least one received base station is also  
measured at intervals, wherein at least information on changes in the  
signal strength is utilized in order to decide whether positioning of the  
10    device is conducted.

8.     The method according to claim 1, wherein the property subject to  
said monitoring is timing of a signal of a base station, and that in the  
device the timing of at least one received base station signal is also  
15    measured at intervals, wherein at least information on changes in the  
timing of the signal is utilized in order to decide whether positioning of  
the device is conducted.

9.     The method according to claim 7, wherein on the basis of a cell  
20    identifier it is determined whether the device is in an area of such a cell  
to which position data of a function is connected, wherein information  
on the base station signal strength is used for making a decision on  
performing the positioning only in such a situation in which the device  
is in the area of such a cell to which position data of a function is  
25    connected.

10.    The method according to claim 1, wherein on the basis of  
positioning it is determined whether an activating condition of a function  
is realized.

30    11.    The method according to claim 1, wherein said function is an act  
of presenting a message.

12.    A system comprising determination means for determining a  
35    location-based function, in which at least one item of position data is  
determined for the function as a condition for activating the function,

processing means for activating a location-based function in a device and a wireless communication network comprising at least one transmitter for transmission of signals, the device containing monitoring means for monitoring at least one property of the wireless  
5 communication network and determination means in which the property is for use in determining whether positioning of the device is conducted.

10 13. The system according to claim 12, wherein the wireless communication network is composed of areas for which an identifier is determined, wherein identifiers of the areas are arranged to be used as a property to be monitored, and that the positioning of the device is arranged to be conducted when the identifier of the area changes.

15 14. The system according to claim 12, wherein timing of a signal of a base station is arranged to be used as the monitored property, and that the device comprises measurement means for measuring signal strength of at least one signal received from a base station, wherein at  
20 least information on a changing of the signal strength is arranged to be utilized in the determination means for said use in determining whether positioning of the device is conducted.

25 15. A device comprising determination means for determining a location-based function, in which at least one item of position data is determined for the function as a condition for activating the function, processing means for activating a location-based function in a device, wireless communication means for setting up a data network connection to a wireless communication network comprising at least one transmitter for transmission of signals, monitoring means for  
30 monitoring at least one property of the communication network, and determination means in which the property to be monitored is arranged to be used to decide whether the positioning of the device is conducted.

35 16. The device according to claim 15, wherein it is a wireless communication device.

17. A program stored on a machine-readable medium, comprising a group of machine-executable program commands for presenting messages in a device, and at least one location-based condition for presenting a message is determined in the message, said program being intended to be executed in a device used in a wireless communication network in which signals are transmitted, the program also comprising machine-executable program commands for monitoring at least one property of the wireless communication network to decide whether positioning of the device is conducted.